

**In the claims:**

1-20 (Canceled)

1 21. (Previously presented) A method of determining a parameter of interest of an  
2 earth formation having a plurality of layers, the method comprising:  
3 conveying a multi-component resistivity logging tool into a borehole in said  
4 formation;  
5 using at least one transmitter receiver combinations and providing a measurement  
6 indicative of the parameter of interest; and  
7 using a switchable aperture on a shield of the resistivity logging tool for providing  
8 a selective sensitivity to the parameter of interest.

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1 22. (Previously presented) The method of claim 21, further comprising using the  
2 measurement for at least one of (i) geo-steering, and (ii) drilling assistance and  
3 well placement decisions.

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1 23. (Previously presented) The method of claim 22 wherein the measurement further  
2 comprises a measurement made with a multi-component array and wherein using  
3 the measurement further comprises using a measurement made with at least one  
4 of: (i) a gyroscope, (ii) an accelerometer, (iii) a magnetometer, and (iv) an  
5 inclinometer.

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1 24. (Previously presented) The method of claim 21, further comprising:

2 performing dual compensated measurement of a multi-component array to  
3 improve at least one of: (i) a signal to noise ratio, (ii) measurement stability and  
4 (iii) signal content with reservoir, geological and geophysical information.

1 25. (Previously presented) The method of claim 21, further comprising providing a  
2 measurement at a plurality of frequencies, and using the measurement at the  
3 plurality of frequencies for determining the parameter of interest.

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5 26.  
1 (Previously presented) The method of claim 21 wherein using the switchable aperture  
2 further comprises making a measurement at least one of (i) and xy orientation, (ii)  
3 an xz orientation, (iii) a yz orientation, (iv) a 20°-40° orientation, and (v) a 40°-90°  
4 orientation.

5  
1 27. canceled

2  
1 28. canceled

2  
1 29. (Previously presented) The method of claim 21, wherein providing the  
2 measurement further comprises:  
3 measuring a time domain response; and  
4 converting the time domain response into a frequency domain response.

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1 30. - 35 (canceled)

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1 36. (Previously presented) The method of claim 21, further comprising:

2 binning measurements made by the logging tool at a plurality of rotational angles.

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1 37. (Original) The method of claim 36 further comprising:

2 averaging depth intervals and azimuthal sectors for the binned measurement data.

3

1 38. (Previously presented) The method of claim 37 further comprising:

2 processing the binned measurement data; and

3 estimating or inverting formation drilling target parameters from the processed

4 binned measurement data from a given transmitter receiver array.

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1 39. (canceled)

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1 40. (canceled)

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1 41. (canceled)

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1 42. (canceled)

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1 43. (Previously presented) The method of claim 21, where rotation of the tool is not

2 synchronized with a transmitter repeat cycle.

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1 44. (canceled)

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1 45. (canceled)

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1 46. (Withdrawn) A method of determining a parameter of interest of an earth

2 formation having a plurality of layers, the method comprising:

3 conveying a multi-component resistivity logging tool into a borehole in said

4 formation;

5 using at least one transmitter receiver combinations and providing a measurement

6 indicative of the parameter of interest; and

7 using a magnetic lens for providing a selective sensitivity to the parameter of

8 interest.

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1 47. (Withdrawn) The method of claim 46, further comprising using the measurement

2 for at least one of (i) geo-steering, and (ii) drilling assistance and well placement

3 decisions

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1 48. (Withdrawn) The method of claim 46 wherein the measurement further comprises

2 a measurement made with a multi-component array and wherein using the

3 measurement further comprises using a measurement made with at least one of:

4 (i) a gyroscope, (ii) an accelerometer, (iii) a magnetometer, and (iv) an

5 inclinometer.

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1 49. (Withdrawn) The method of claim 46 wherein using the magnetic lens further  
2 comprises using a printed circuit board.  
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1 50. (Withdrawn) An apparatus for determining a parameter of interest of an earth  
2 formation having a plurality of layers, the apparatus comprising:  
3 a multi-component resistivity logging tool conveyed into a borehole in said  
4 formation;  
5 at least one transmitter on the logging tool that is activated to produce an  
6 electromagnetic field in the formation;  
7 at least one receiver which provides a measurement indicative of the parameter of  
8 interest; and  
9 a switchable aperture on a shield of the resistivity logging tool which provides a  
10 selective sensitivity to the parameter of interest.  
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1 51. (Withdrawn) An apparatus for determining a parameter of interest of an earth  
2 formation having a plurality of layers, the apparatus comprising:  
3 a multi-component resistivity logging tool conveyed into a borehole in said  
4 formation;  
5 at least one transmitter on the logging tool that is activated to produce an  
6 electromagnetic field in the formation;  
7 at least one receiver which provides a measurement indicative of the parameter of  
8 interest; and

9 a magnetic lens on the resistivity logging tool which provides a selective  
10 sensitivity to the parameter of interest.  
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